



Walpurgisnacht

by Arya Akhavan, edited by Willie Klaja (January 2014)

Angles for R.I. = 1.520

41 + 6 girdles = 47 facets

1-fold, mirror-image symmetry

96 index

L/W = 1.059 T/W = 0.364 U/W = 0.326

P/W = 0.424 C/W = 0.171

(G3 G4)/W = 1.059

Vol./W³ = 0.232

PAVILION

P1	42.22°	26-29-67-70	Cut to centerpoint.
P2	44.19°	27-69	Meet at culet.
G1	90.00°	28-68	Set stone size.
G2	90.00°	12-84	Meet P1, P2, G1
P3	59.98°	28-68	Level girdle.
P4	41.87°	31-65	Meet P1, P2, P3
P5	40.52°	47-49	Meet P1, P4; G1, P3, P4
G3	90.00°	48	Meet G1, P3, P4, P5
P6	50.00°	48	Level girdle.
P7	40.00°	12-84	Level girdle.
P8	44.79°	03-93	Meet P1, P7
G4	90.00°	96	Meet G2, P7, P8
P9	65.00°	96	Level girdle.

CROWN

C1	41.77°	96	Set girdle width.
C2	38.00°	12-84	Level girdle.
C3	38.47°	28-68	Level girdle.
C4	41.07°	48	Level girdle.
C5	29.77°	04-92	Meet G2, G4, C1, C2
C6	29.13°	26-70	Meet G1, G2, C2, C3
C7	18.50°	07-89	Meet C1, C5; C2, C5, C6
C8	10.21°	96	Meet C1, C5, C7
C9	31.60°	30-66	Meet G1, G3, C3, C4
C10	29.93°	45-51	Meet G1, G3, C3, C4, C9
C11	19.80°	48	Meet C4, C10
C12	25.60°	30-66	Meet C9, C10, C11
C13	24.68°	28-68	Meet C3, C9, C12; C6, C7, C8
T	0.00°	Table	Meet C6, C7, C8, C13; C11, C12, C13

I came across a 73 carat piece of very nicely colored kunzite from Afghanistan, and this design almost exactly fits the shape of the rough. Mind you, it was a bitch and a half to figure out how to make this design look good and be reproducible... Works in materials from feldspar to zircon (RI = 1.52 - 1.93) with no changes.

Suggested length = 10-20 mm

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